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> BULLETII. nr.52

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FERRY BUILDING

LEWIS E. AUBURY,

SHOWING THE MINERAL PRODUCTION OF (

PRODUCTS.	18	1887.		1888.		89.	189	90.	18	91.	18	92.	18	93.	18	94.	18	95.	18	96.	18	97.	18
	QUANTITY.	VALUE.	OUANTITY	VALUE	OUANTITY.	VALUE.	QUANTITY.	VALUE.	QUANTITY.		QUANTITY.	VALUE.	QUANTITY.	VALUE.	QUANTITY	VALUE.	OUANTITY	VALUE.	QUANTITY	VALUE	QUANTIT	ALLE	GUANTITY
ntimonytons	75	\$15,50°	100	\$20,000					1 .7 - 7			•	. 50	\$2,250	150	\$6,000	33	\$1,485	17	\$2,320	20	\$3,500	
estostons	30	1.800	30	1.800	30	\$1,800	71	*4,260	66	\$3,960	30	\$1,830	50	2,500	50	2,250	25	1,000					
halttous	4,000	16,000	3,100	39,500	3,000	30,000	3,000	30,000	4,000	40,000	7,550	75,500		161,250	11,698	233,800	25,525	170,500	20.914	362,590	22,697	404,350	25
nuthtons								4					,										
minous Rocktons	36,000	160,000	50,000	257.(100)	40,000	170,000	40,000	160.000	39,962	154,164	24,000	72,000	32,000	192,036	31,214	115,193	38,921	121,586	19,456	122,500	45,470	128	46
x	2,029,380	116,689	2,809,088	196.636	,939,650	145,473	6,402,034	480,152	8,533,337	640,000	11,050,495	838,787	7,910 563	593,292	11,540,099	807,807	11.918,000	595,900	13,508,000	675.400	16,000,000	1,080,000	16,600.
entbbls.									5,000	15,000	5,000	15,000			8,000	21,600	16,383	32,556	9,500	28.250	18,000	000,66	50,
metons	\$,C(IO	40,000	1,500	20 000	2,000	30,000	3,599	53,985	1,372	20.580	1,500	22,500	3,319	49,785	3,680	39,980	1,740	16,795	786	7 775			
-Brick M.													103,900	801,750	81,675	457,125		672,360	24,000	524,740		563,240	
-Pottery tons	75,000	37,50 (75,000	37,500	75,000	37,500	100,000	50,000	100,000	50,000	100,000	50,000	24,856	67,284	28,475	35,073	- 1	39,685	41,907	62,900	24,592	2 (29)	28
ltons		150,000		380,000	121,280	288,232	110,711	283,019	93,301	204,902	85,178	209,711	72,603	167,555	59,887	139,862	79,858	193.790	70,649	161,335	•	19+.255	
er His.			1.570,021	,	151,505	18,180	23,347	,	3,397,455		2,980,944	342,808	,	21,571	738,594	72,486	,		1,992.844		13.638,626	1,540,666	21,543
fer's Earth tons																							
£																							
d																				201.004			
unitecu. ft.		,		•		,										228,816		224,329	185,261		,	188,024	20,
phitetons		27,000	'	25,000		30.000	000,8	30,000	2,000	20,000	2.000	20,000	1,620	14,280	2.446	24,584	5.158	51,014	1.310	12.580	2,200	19.250	3.
isorial Earth tons	-,			- ,	3,000		,		,	,	,	·		2,000	2,440	ŕ	-,-	01,014	,	, -	,		
Oretons						1,000							250	2,000	200							46.5.4	
1tons		52,200	450	38,250	470	35,720	400	36,000	570	49.020	680	54,400	333	24.975	475	28,500	796	49,364	646	38,805	298	20,264	
ne and Limestone		,		,	200	,	400	- ,	1	· ·		,		,-		,		,		332,617			
ia Micatons						110,100	j	000,000	1	000,000		000,000		, i									

ETIN No. 52



MINING BUREAU,

*

SAN FRANCISCO.

BURY, STATE MINERALOGIST.

N OF CALIFORNIA FOR TWENTY=ONE YEARS.

VID H. WALKER, STATISTICIAN.

RECT RETURNS BY PRODUCERS

	189	98.	189	99.	19	00.	19	O1.	190	02.	190	03.	19	04.	19	05.	190	06.	190	07.	Total for	21 Years.	PRODUCTS.
LUE	QUANTITY	VALUE.	QUANTITY.	VALUE.	QUANTITY.	VALUE.	QUANTITY.	VALUE.	OUANTITY.	VALUE.	OUANTITY.	VALUE.	OUANTITY.	VALUE.	OUANTITY.	VALUE.	OUANTITY.	VALUE.	OF CITITY.	VALUE.	QUANTITY.	VALUE.	THODOUTS.
\$3,500	40	\$1,200	75	\$ 13,500	70	\$5,700	50	\$8,350										 -			680	\$79,805	Anthrony too.s.
	10	200	30	750	50	1,250	110	4,400					10	\$162	112	\$2,625	70	\$3,500	70	\$3,500	844	37,587	Ashestis . tous.
104,350	25,690	482,175	15,060	308,130	12,575	253,950	21,634	313,219	34,511	*349,344	41,670	\$503,659	56,187	672,910	40,304	285,290	77,756	777,560	73,718	1,058,400	519,739	6,565,127	Asphalt
													20	2,400							20	2,400	Bismuth as.
28,173	46,836	137,575	40,321	116,097	25,306	71,495	24,052	66,354	33,490	43,411	21,944 Crude	53,106	45,280	175.680	24,753	60,436	16,077	45.204	24,122	72,885	729,204	2,494,545	Dituminous II o 18
000,080	16,600,000	1,153,000	40,714,000	1,139,882	51,674,000	1,013,251	14,442,000	982,380	34,404,000	2,234,994	68,860,000	661,400	91,294,000	698,810	92,668,000	1,019,158	116,346,000	1,182,410	100 525,000	1,200,913	767,469,000	17,456,334	Bot ix
66,000	50,000	150,000	60,000	180,000	52,000	121,000	71,800	159,842	171,000	423,600	€40,868	968,727	969,538	1,539,807	1,265,553	1,791,916	1,286,000	1,941,250	1,613 563	2,585.577	6,242,205	10,040,125	Cement blils.
						1,400	130	1,950	315	4,725	150	2,250	123	1,845	40	600	317	2,859	302	6,040	24,013	323,000	Chart for -
563,240	100,102	571,362	125,950	754,730	137,191	905,210	130,766	860,488	169,851	1,306,215	214,403	1,999,546	281,750	1,994,740	286,618	2,273,786	277,762	2,538,845	52,167	3,438,951	2.525,375	19,663,091	Constant M.
30,290	28.947	33,747	40,600	42,700	59,636	60,956	55,679	39,144	67,933	74,163	90,972	99,907	84,149	81,952	133,805	130,146	167,267	162,283	160,385	254,454	1,571,863	, , , , , , , , , , , , , , , , , , ,	CONTRACTOR
196,255	143,045	337,475		420,100	176,956	535,531	150,724	401,772	88,460	248,622	93,026	265,383	79,062	376,494	46,500	144,500	24,850	61,600	23,784	55,849	1, 913,214	5,221,996	
54U,bbb	21,543.229	2,470,168	23,915,486		29,515,512		34.931,788	5,501,782	, ,	3,239,975	19,113,861	2 520,997	29,974,154		16,997,489	2,650,605	28,726,448	5,522,712	82,002,945	6,341,387	291,739,742	44,034,008	-
			620	12,400	500	3,750	1,000	19,500	987	19,246	250	4,750	500	9,500	1,344	38,000	440	10,500	100	1,000	5,741	118,646	Rina' a' Lada - ne
		15,906,478				20,500	500	40,000	510	162,100		,						497,090		232,642		1,347.332	
188,024	98,369	147,732			911 000	, ,	044040	16,989,044		16,910,320			500.005	19,109,600				18,732,452					
		,			311,803	295,772	214,943	519,285	257,650	255,239	408,625	678,670	520,687	467,472	228,738	353,837		344,083		373,376		9,986,049	
19,250	3,100	23,600	2 660	14.050	0.500		64	4,480	42	1,680			0.050				91.000	80,000		57.700	106		Graphii -
		,	3,000	14,500	2,022	10,088	3,875	38,750	10,200	53,500	6,914	46,441	8,350	56,592	12,850	54,500	21,000 2,430	69,000	8,900	57,700 28,948	109,308 18,181		Gypsums Infusorial Earth,tons.
									422	2,532	2,703	16,015	6,950	112,282	3,000	15,000	,		2,53 1 400	400	850		Iron Oretons.
20,264	328	23,907	360	30,642		41,600	360	28,820	175	12,230	55	3,960	62	5,270	266	25,083	169	19.307	164	16,690	8,157		Leadtons.
		,		343,760			300	49.4.199	'		99	*02.000		658,956		,		,			0,157		Lime and Limestone.
				4,600	1	11.000	1,100	27,500	822	31,880	700	27,300	641	25.000	25	,		,			3,852		Lithia Mica tons.
313,087	452,691	369,082	323.590	239.867	360 597	969.570	260 882	212 074	500.020	410.540	207 107	100 170	599 600	111 000	1 440 455	0.09.800	1.066.164	870 887	1.511.017	1.089.309	9.876.475	7.501.205	Macadam tons.

Gold										1												
						1,329,018												15,334,317				
Granitecu. ft.		,														228,816		224,329	185,261	201,004	,	188,024
Graphitetons				25.000	3 000	30,000	3 000	20.000	2.000	20,000	2.000	20,000	0	14,280	24121							
Gypsumtons	2,700	27,000	2,500	_ ,,,,,,,	รูป อนกรู้		Openso	ουγνίο	2,000	•		,	1,620	<u> </u>	2,446	24,584	5,158	51,014	1,310	12,580	2,200	-0,200
Infusorial Earth tons tons				1	1			1	1				50 250	2,000	200	1.500						200
Iron Oretons			****	00.050	470	25.790	400	36.000	570				20 0 922	2,000 24,975	200		•	46 464	240		000	
Leadtons	580	52,200	450	35,250	#117	60,120 +12.780	*****	33,000		49,020 300,000	680	54,400 300,000	გეე	24,975 201,276	475	28,500	796	49,364	646	38,805	298	3 20,264
Lime and Limestone						,	'	1	1 1	1	!											
Lithia Micatons													051 500	OFO OFF	11.00	0.00 100						
Macadamtons				- 300	200		200		0.0	1				256,875	441,967	369,438	840,650	700,987	646,646	510,245	•	1 313.087
Magnesitetons	600	9,000	600	9,000	600	9,000	600	9,000	1,500	15,000	1,500	15,000	1,093	10,930	1,440	10,240	2,200	17,000	1,500	11,000		
Manganesetons	000,1	9,000		13,500	53	901	386	3,176	705	3,830	300	3,000	270	4,050	523	5,512		8,200	518	3,415		
larblecu.ft.		5,000		5,000		87,030		80,000		100,000 .		115,000		40,000	38,441	98,326	14,864	56,566	7,889	32,415	4,102	2 7.280
licatons																						
lineral Paint tons								480	22	880	25	750	590	26,795	610	14,140	750	8,425	395	5,540		8 5,167
lineral Watergals,	,	144,368		252,990		252,241	258,722	89,786	334,553	135,959	331,875	162,019	383,179	90,667	402,275	184,481		291,500		337,434	1,508,192	2 345,863
atural Gas., M. cu. ft.																				111.457		F2 65T
nyx and Travertine		900		900		900		1, 5 00		2,400		1,800		27,000		20,000		12,000		24,000)	
aving FlocksM.													2,770	96,950	2,517	66,981	2,332	73,338	4,161	77,584	1,711	1 35,235
troleumbbls.	678,572	1,357,144	690,333	1,380,666	303,220 -	368,048	307,360	384,200	323,600	401,264	385,049	561,333	470,179	608,092	783,078	1,064,521	1,245,339	1,000,235	1,257,780	1,180.793	1,911,569	1.918,269
atinumozs.	100	400	500	2,000	500	2,000	600	2,500	100	500	80	440	75	517	100	600	150	900	162	944	150	J 90u
rritestons													~ • • • - • • • • • • •									
uartz Crystalslbs.																			}		• • • • -	
Quicksilverflasks	33,760	1,425,000	33,250	1,413,125	26,464	1,190,500	22,926	1,203,615	22,904	1,036,386	27,993	1,139,600	30,164	1,108,527	30,416	934,000	36,104	1,337,131	30,765	1,075.449	26,648	8 993,445
Rubbletons													99,600	199,200	219,933	295,400	414,038	394,952	313,973	329,639	333,212	287,025
Salttons	28,000	112,000	30,800	92,400	21,000	63,000	8.729	57,085	20,094	90,303	23,570	104,788	50,500	213,000	49,131	140,087	53,031	150,576	64,743	153,244	67.851	1 157,520
and—Glasstons					 .																	
Sand—Quartztons									·												, 	
Sandstonecu. ft.									1							113,592						2.4.2.2
Serpentinecu. ft.																	4,000	4,000	1,500	6.000	2,500	0 2,500
Silver																		599,789		422,463		452,789
Slatesquares					4,500	18,089	4,000	24,000	4,000	24,000	3,500	21,000	3,000	21,000	1,800	11,700	1,350	9,450	500	2,500	400	0 2,800
Soapstonetons	*********				• - • • • - • - • · · · · · · · · · · ·					_p			400	17,750 +	1		25	375				
Sodatons				il	i			1	,	1					1,530	20,000	1,900	47,500	3,000	65,000	5,000	000,000
Sulphurtons																						,,
Tinlbs.											162,000											
Tungsten																· · · · · · · · · · · · · · · · · · ·						
Zinc										į į				I								
Totals												1										

		020	12,400	300	3,700	1,000	10,000	001	10,220	200	2,100	000	0,000	1,011	99,910	110	10,000	1001	1,000	5,741	113,840	ruller's Earth ton
				. 500	20,500	500							,						232,642		1,347,332	Gems.
	15,906,478		15,336,031		15,863,355		16,989,044		. 16,910,320		16,471,264		19,109,600		19,197,043 .		18,732,452 .		16,727.928		321,138,976	toold.
95,369	147,732	128,924	141,070	311,803	295,772	214,943	519,285	257,650	255,239	408,625	678,670	520,687	467,472	228,738	353,837 -		344,083	359,431	373,376		9,986,049	Granite on ft
	1					- 64	4,480	42	1,680											106	6,160	Graphite tons.
3,100	23,600	3,663	14,950	2,522	10,088	3,875	38,750	10,200	53,500	6,914	46,441	8,350	56,592	12,850	54,500	21,000	69,000	>,900	57,700	109,308	698,829	Gypsumtons
)								422	2,532	2,703	16,015	6,950	112,282	3,000	15,000	2,430	14,400	2,531	28,948	18,181	194,752	Infusorial Earth.tons.
																		400	#QÓ	550	3,900	Iron Oretons.
328	23,907	360	30,642	520	41,600	360	28,820	175	12,230	55	3,960	62	5,270	266	25,083	169	19,307	164	16,690	8,157	635,007	Leadtons.
	278,558		343,760		315,231		434,133		460,140		582,268		658,956		878,647		925,887		1.162,417			Lime and Linsestone.
		124	4,600	440	11,000	1,100	27,500	822	31,880	700	27,300	641	25,000	25	276		·			•		Lithia Micatons.
45_011	369,08.	323,590	239,867	360,597	262,570	360,883	313,974	500,939	418,548	605,185	436,172		414,668	1,440,455	942,503	1,066,164	870,887	1.544,617	1,082,302	9,876,475	7,501,205	Macadam tons
j. 168	19,07:	1,280	18,480	2,252	19,333	4,726	43,057	2,830	20,655	1,361	20,515	Crude 2,850	9,298	3,933	16,221	4,032	40,320	6,405	57,720	44,278	393,515	Magnesitetons,
. 14(2,102	295	3,165		1,310	,	4,405	870			25	60	900			1	30	ı	25			Manganesetons.
y - 050	23,594	9,682	10,550	4,103			4,630				97,354	1	94,208			31,400		87,512				Marble c: ::
								. 50		,	3,800		, , , , , ,				,		230,000	4 ***		Mica tons.
658	9,698		20,294	529	3,993		875				3,720		,			250			1.720			Mineral Paint _tons
1,42.,509		1,704	,	2,456,115		1,555,328		1,701,142		2,056,340		2,430,320	,	2,194,150	,		478.186			26,939,725		Mineral Water 23'
		1,000,001	,	2,430,113		1,000,020		1,701,142	,	120,134 M	,		91,035	. ,		168,175						Natural Gas M.)
	fry and				01,010						,		,					Hadyoner	Litanoc			Onyx on 1 frame the
1 144	01.705	ขกร		1 109	99.555	1 000			110.497				181.750					1.604	ton 9.47	11.600		Pavi g Block - M
1.144	21,725		7,861	1,192	23,775		41,075	,	,		134,642	1	161,752			4,203			199,347			
2,249,088	2,376,420		1.000			0.0		14,356,910		24,340,839		29,736,003	· ·	34,275,701						3 200,967,931	un Oa	Platinum ozs
9 300	1.800	300			24.100)	3,200			0.1.04.1		15 019	, ,			91.46	,	300.07		000.001		Platinumozs.
6,000	30,0 00	5,400	28,620				18,429		60,306	24,311	94,000	t	62,992	15,503	63,958	46,689	145,895				47 7.11	Pyrites
			105015	4,000	18,000													4,000			=	Quartz Crys als
5 31,092	1,188,626	29,454	1,405,045	26,317	1.182,786	•	1,285,014	29,552	1,276,524	32,094	1,335,954	28,876	1,086,323	24,655	886,081	19,516	712,334		663,178			Quicksilver da-k
724,674	445,395	641,308	547,025	428,690	299,072	169,513	327,063	1,555,076	830,981	1,610,440	1,237,419	1,764,208	1,227,209	1,183,802	774,267	489,208	547,519	744,271	832,713			Rubble
0 95.421	170,855	82,654	149,588	89,338	204,754	126,218	366,376	115,208	205,876	102,895	211,365	95,968	187,300	77,118	141,925	101,650	213,228	88,063	310,967	1,389,982		Salt
		2,000	2,000	2,000	2,000	4,500	15,750	4,500	12,225	7,725	7,525	10,004	12,276	9,257	8,121	9,750	13,375	11,065	8,178	60,783		Sand Glass , tens.
		1,000	1,500	200	200	500	500		• • • • • • • • • • • • • • • • • • • •			A								1,700	2,200	Sand-Quartz tons.
6	46,384	56,264	103,384	378,468	254,140	226,741	192,132	212,123	142,506	353,002	585,309	363,487	567,181	302,813	483,268	182,076	164,068	159,573	148,148	8	3,664,861	Sandstoneeu. ft.
0 750	3,000	500	2,000	350	2,000	89	890	512	5,065	99	800	200	2,310			847	1 694	1,000	000,8	12,347	33,259	Serpentinecu. ft.
9	414,055		504,012	(Coining Value.)) 1,510,344	(Coining Value.)	, 1,229,356	(Com'l Value.)	616,412	(fom'l Value.)	517,444	L (Com'l Value.)	873,525	(Com'l Value.)	, 678,494		. 817,830	1,138,858	751,646	}	16,786,817	Silver.
0 400	2,800	810	5,900	3,500	26,250	5,100	38,250	4,000	30,000	10,000	70,000	6,000	50,000	4,000	40,000	10,000	100,000	7,000	60,000	73,860	557,739	Slatesquares.
			· · · · · · · · · · · · · · · · · · ·			. 10	119	14	288	219	10,124	228	2,315	300	3,000					1,196	33,971	Soapstonetous.
0 7,000	154,000	10,000	250,000	1,000	50,000	8,000	400,000	7,000		Crude.	· ·		,							101 120	1,232,000	Sodatons.
2	50												•	,		1					50	Sulphurtons.
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1					1															+	338,487	Tungsten.
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